### 1954 PUBLICATIONS

### Book:

William J. Baumol (with Lester V. Chandler), Economic Processes and Policies, Harper, New York, 1954.

### Articles:

- William J. Baumol, "Professor Copeland's Study of Moneyflows," The Review of Economics and Statistics, Vol. XXXVI, February 1954.
- William J. Baumol, "Economic Theory and the Political Scientist," World Politics, Vol. VI, January 1954.

### Reviews:

- William J. Baumol, Review of R. F. Harrod, <u>Economic Essays</u>, in <u>Econometrica</u>, Vol. 22, October 1954.
- William J. Baumol, Review of Milton Friedman, Essays in Positive Economics, in The Review of Economics and Statistics, Vol. XXXVI, November, 1954.
- William J. Baumol, Review of B. S. Kierstead, An Essay in the Theory of Profit and Income Distributors, in American Economic Review, Vol. XLIV, June 1954.
- William J. Baumol, Review of John H. Williams, Economic Stability in a Changing World and Trade Not Aid, in The Review of Economics and Statistics, Vol. XXXVI, February 1954.

### 1953 PUBLICATIONS

# Articles:

William J. Baumol, "Discussion" (of papers at a session of the 1952 A.E.A. Christmas meetings), American Economic Review, Vol. XLIII, May 1953. Reprinted in Three Papers on Recent Developments in Mathematical Economics and Econometrics, Cowles Commission Papers, New Series, No. 75.

William J. Baumol, "Firms with Limited Money Capital," Kyklos, Band 6, Article 2, 1953.

### Review:

William J. Baumol, Review of Hansen and Clemence (eds.), Readings in Business Cycles and National Income, in Econometrica, Vol. 21, October 1953.

1952 PUBLICATIONS

### Book:

William J. Baumol, Welfare Economics and the Theory of the State, Longmans Green, London, 1952.

# Articles:

- William J. Baumol (with Gary S. Becker), "The Classical Monetary Theory: The Outcome of the Discussion," Economica, N.S. Vol. XIX, November 1952.
- William J. Baumol, "The Transactions Demand for Cash: An Inventory Theoretic Approach," Quarterly Journal of Economics, Vol. LXVI, November 1952.
- William J. Baumol, "Yet Another Note on the Harrod-Domar Model," <u>Economic Journal</u>, Vol. LXII, June 1952.

### Reviews:

- William J. Baumol, Review of Robert Dorfman, <u>Application of Linear Programming to the Theory of the Firm</u>, in <u>Journal of Political Economy</u>, Vol. LX, October 1952.
- William J. Baumol, Review of <u>International Economic Papers</u>, No. 1, in <u>Journal of Political Economy</u>, Vol. LX, October 1952.
- William J. Baumol, Review of J. S. Chipman, <u>The Theory of Inter-Sectoral Money Flows</u> and <u>Income Formation</u>, in <u>American Economic Review</u>, Vol. XLII, September 1952.
- William J. Baumol, Review of Conference on Business Cycles, in Econometrica, Vol. 20. April 1952.
- William J. Baumol, Review of Kenneth J. Arrow, Social Choice and Individual Values, in Econometrica, Vol. 20, January 1952.

### 1951 PUBLICATIONS

# Book:

William J. Baumol (with Ralph Turvey), Economic Dynamics, Macmillan, New York, 1951.

# Articles:

William J. Baumol, Abstract of Discussion, "Recent Developments in Welfare Economics," by Tibor Scitovsky, Econometrica, Vol. 19, July 1951.

William J. Baumol, "The Neumann-Morgenstern Utility Index--An Ordinalist View," Journal of Political Economy, Vol. LIX, February 1951.

1950 PUBLICATIONS

# Article:

William J. Baumol (with H. Makower), "The Analogy Between Producer and Consumer Equilibrium Analysis," (Part II of article) "Income Effect Substitution and Ricardo Effect.") Economica, N.S., Vol. XVII, February 1950.

# Review:

William J. Baumol, Review of Jane Aubert, <u>La Courbe d'Offre</u>, in <u>Journal of Political</u> <u>Economy</u>, Vol. LVIII, August 1950.

# 1949 PUBLICATIONS

# Articles:

- William J. Baumol, "The Community Indifference Map: A Construction," Review of Economic Studies, Vol. XVII, 1949-50.
- William J. Baumol, "Formalization of Mr. Harrod's Model," <u>Economic Journal</u>, Vol. LIX, December 1949.
- William J. Baumol (with Ralph Turvey, J. de V. Graaf and G. L. S. Shackle), "Three Notes on Expectation in Economics," <u>Economica</u>, N.S., Vol. XVI, November 1949
- William J. Baumol, "Relaying the Foundations," Economica, N.S., Vol. XVI, May 1949.

1948 PUBLICATIONS

Articles:

William J. Baumol, "Notes on Some Dynamic Models," <u>Economic Journal</u>, Vol. LVIII, December 1948.

# 1947 PUBLICATIONS

### Articles:

- William J. Baumol, "Community Indifference," Review of Economic Studies, Vol. XIV, 1946-47.
- William J. Baumol, "Notes on the Theory of Government Procurement," Economica, N.S., Vol. XIV, February 1947.

# Reviews:

- William J. Baumol, Review of Frank L. Kidner, California Business Cycles, in Economica, N.S., Vol. XIV, May 1947.
- William J. Baumol, Review of Mathematics for Economists, in Economica, N.S., Vol. XIV, August 1947.
- William J. Baumol, Review of F. C. Mills, <u>Price Quantity Interactions in Business Cycles</u>, in <u>Economica</u>, Vol. XIV, November 1947.

### CURRICULUM VITAE

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#### EDUCATION:

1968-1973 Columbia University

New York Graduate Department of Economics and European Institute of the School of International Affairs

Doctoral Dissertation

Three Essays on Economic Theory

May 1973

1967-1968 McGill University

Departments of Economics and Political Science

Montreal, Canada

1963-1966 Warsaw University

Department of Political Economy

Warsaw, Poland

#### HOMORS:

1973 The highest distinction for the doctoral dissertation

1971-1972 Honorary President's Fellow

Columbia University

1969-1971 President's Fellow

Columbia University

1967-1968 Honors Student

McGill University

1964, 1965 Award for Academic Achievement

Department of Political Economy

Warsaw University

Who's Who in the World Who's Who in America Who's Who in the East

# PROPESSIONAL POSITIONS:

6/82 - Present	Professor of Economics Department of Economics New York University
8/91 - 10/92	Deputy Assistant Attorney General for Economics Antitrust Division U.S. Department of Justice
9/89 - 7/90	Visiting Professor of Rconomics School of Management and Organization Yale University
	Lecturer in Law Yale Law School
3/84 - 6/88	Visiting Professor of Rconomics, Universita Commerciale "Luigi Bocconi" Kilan, Italy
6/82 - 2/85	Director of Graduate Studies Department of Economics New York University
9/82 - 6/86	Adjunct Professor of Law (part-time) Columbia University Law School
2/82 - 6/82	Acting Director of Graduate Studies Department of Bconomics New York University
6/78 - 6/82	Associate Professor of Economics New York University
9/79 - Present	Lecturer in Economics and Antitrust New York University Law School
9/77 - 6/78	Member Technical Staff Bell Laboratories Holmdel, New Jersey
	Associate Professor of Economics Columbia University
	Visiting Research Scholar Center for Law and Economics University of Miami
9/73 - 8/77	Assistant Professor of Economics New York University

# PROPESSIONAL POSITIONS: (continued)

Summer 1976

Legal Institute for Economists University of Miami Center for Law and Economics

Summer 1976

Visiting Researcher Bell Laboratories Holmdel, New Jersey

### OTHER PROPESSIONAL ACTIVITIES:

1995 - Present	Consultant, The World Bank
1994 - Present	Senior Affiliate Law and Economics Consulting Group Berkeley, CA
1994 - Present	Senior Affiliate Consultants in Industry Economics, LLC
1993 - 1994	Director Consultants in Industry Economics, Inc.
1992 - 1993	Vice-Chair (Pro Tem), American Bar Association Boonomics Committee
1992 - Present	Senior Consultant Organization for Economic Cooperation & Development
1990 - 1991	Senior Consultant Organization for Economic Cooperation & Development
1991	Member, Ad-hoc Working Group on Bulgaria's Draft Antitrust Law The Central and East European Law Initiative American Bar Association
1990 - 1991	Advisor to Polish Ministry of Finance and Anti-Monopoly Office
1990 - 1991	Member, American Bar Association Section of Antitrust Law Special Committee on International Antitrust
1990 - 1991	Director and Senior Advisor Putnam, Hayes & Bartlett, Inc.
1990 -	Member American Bar Association Section of Antitrust Law Predatory Pricing Monograph Task Force
1989	Competitive Issues in the Cable TV Industry Testimony in the Senate Antitrust Monopolies and Business Rights Subcommittee Washington, D.C. (April 12, 1989)

# OTHER PROPESSIONAL ACTIVITIES: (continued)

1989	Member American Bar Association EEC Nerger Control Task Force
1988 -	Associate Member American Bar Association
1987 - 1989	Adjunct Member Antitrust and Trade Regulation Committee The Association of the Bar of the City of New York
1984	Speaker American Bar Association, National Institutes, "Industrial and Intellectual Property: The Antitrust Interface" Philadelphia, Pennsylvania
1983 - 1990	Director Consultants in Industry Bconomics, Inc.
1982	Member, Organizing Committee Tenth Annual Telecommunications Policy Research Conference Annapolis, Maryland
1981	Member, ABA Section 7 Clayton Act Committee Project on Revising Merger Guidelines
1980	Organizer, Invited Session on Law and Economics American Economic Association Meetings Denver, Colorado
1978 - 1979	Member, Department of Commerce Technical Advisory Board Scientific and Technical Information Economics & Pricing Subgroup

Referee for numerous scholarly journals, publishers, and the National Science Foundation.

### MEMBERSHIP IN PROPESSIONAL SOCIETIES:

American Economic Association American Bar Association

#### PUBLICATIONS:

#### A. Journal Articles

"Competition and Trade Law and the Case for a Modest Linkage," with E. Fox, World Competition, Law and Economics Review, vol. 19, December 1995, 5-34.

"On the Perils of Vertical Control by a Partial Owner of Downstream Enterprise," with W.J. Baumol, <u>Revue D'Economie' Industrielle</u>, No. 69, 3° Triemestre 1994, 7-20.

"Competition Policy for Natural Monopolies in Developing Market Economy," with R.W. Pittman and P. Clyde, <u>Economics of Transition</u>, vol. 2, no. 3, September 1994, 317-343; reprinted in B. Clay (ed), <u>De-monopolization and Competition Policy in Post-Communist Economies</u>, Westview Press 1996, 159-193.

"The 1992 Agency Horizontal Nerger Guidelines and the Department of Justice's Approach to Bank Merger Analysis," with M. Guerin-Calvert, Antitrust Bulletin, vol. 37, no. 3, 667-688; reprinted in Proceedings of the 1992 Conference on Bank Structure and Competition: Credit Markets in Transition, Federal Reserve Bank of Chicago, 1992, 541-560.

"Entry Analysis Under the 1992 Horizontal Merger Guidelines," with Jonathan B. Baker, <u>Antitrust Law Journal</u>, vol. 61, no. 1, Summer 1992, 139-146.

"Economics and the 1992 Merger Guidelines: A Brief Survey," with Robert D. Willig, Review of Industrial Organization, vol. 8, 139-150, 1993. Reprinted in E. Fox and J. Halverson (eds.), Collaborations Among Competitors (Antitrust Policy and Economics), American Bar Association, 1992, 639-652.

"Equilibrium Vertical Foreclosure: A Reply," with G. Saloner and S.C. Salop, <u>American Economic Review</u>, vol. 82, no. 3, 1992, 698-703.

"A Patent System for Both Diffusion and Exclusion," <u>Journal of Economic Perspectives</u>, vol. 5, Winter 1991, 43-60.

"R&D Cooperation and Competition," with M. Katz, <u>Brookings Papers on Economic Activity: Microeconomics</u>, 1990, 137-203.

"Equilibrium Vertical Foreclosure," with G. Saloner and S. Salop, American Economic Review, vol. 80, March 1990, 127-142.

"Antitrust Policy for High-Technology Industries," with W.J. Baumol, Oxford Review of Economic Policy, vol. 4, Winter 1988, 13-34. Reprinted in E. Fox and J. Halverson (eds.), Collaborations Among Competitors: Antitrust Policy and Economics, American Bar Association, 1991, 949-984.

"Conflicts of Jurisdiction: Antitrust and Industrial Policy," <u>Law and Contemporary Problems</u>, vol. 50, Summer 1987, 165-178.

"Market Structure and Optimal Management Organization," with C. Bull, Rand Journal of Economics, vol. 18, no. 4, Winter 1987, 480-91.

"A Sequential Concession Game with Asymmetric Information," with A. Rubinstein, <u>Ouarterly Journal of Economics</u> vol. 101, no.4, November 1986, 879-88.

#### A. Journal Articles - (continued)

"The G.M.-Toyota Joint Venture: An Economic Assessment," with C. Shapiro, Wayne Law Journal, vol. 31, no. 4, 1985, 1167-94.

"Economic Poundations and Considerations in Protecting Industrial and Intellectual Property: An Introduction," <u>ABA Antitrust Law Journal</u>, vol. 53, no. 3, 1985. 503-518, Comments 523-532.

"Antitrust for High-Technology Industries: Assessing Research Joint Ventures and Mergers," with R.D. Willig, <u>Journal of Law and Economics</u>, vol. 28, May 1985, 311-334.

"Use of Antitrust to Subvert Competition," with W.J. Baumol, 28, <u>Journal of Law and Economics</u>, May 1985, 247-266. Reprinted in <u>Journal of Reprints for Antitrust Law and Economics</u>, vol. 16, no. 2.

"Advances in Supervision Technology and Economic Welfare: A General Equilibrium Analysis," with C. Shapiro, <u>Journal of Public Economic</u>, vol. 25/3, 1985, 371-390.

"Predatory Systems Rivalry: A Reply," with A.O.Sykes and R.D. Willig, 83 <u>Columbia Law Review</u>, June 1983, 1150-1166. Reprinted in <u>Corporate</u> <u>Counsel's Annual-1984</u> edition, Matthew Bender & Company, 1984, 433-450.

"The 1982 Department of Justice Merger Guidelines: An Economic Assessment," with R.D. Willig, 71 <u>California Law Review</u>, March 1983, 535-574. Reprinted in <u>Antitrust Policy in Transition: The Convergence of Law and Economics</u>, E. Fox and J. Halverson (eds.), American Bar Association Press, 1984, 267-304.

"Unfair International Trade Practices," with A. Sykes and R.D. Willig, 15 Journal of International Law and Politics, Winter 1983, 323-338.

"On Non-linear Pricing of Inputs," with J. Panzar, <u>International Economic Review</u>, October 1982, 659-675.

"Herfindahl Concentration, Rivalry and Mergers," with A. Sykes and R.D. Willig, <u>Harvard Law Review</u>, vol. 95, June 1982, 1857-75.

"A Reply to 'Journals as Shared Goods: Comment,'" with R.D. Willig, American Economic Review, June 1982, 603-607.

"Proposed Revisions to the Justice Department's Merger Guidelines," with S. Edwards, et al., Columbia Law Review, vol. 81, December 1981, 1543-91.

"An Economic Definition of Predation: Pricing and Product Innovation," with R.D. Willig, <u>Yale Law Journal</u>, vol. 91, November 1981, 8-53.

#### A. Journal Articles - (continued)

"On the Consequences of Costly Litigation in the Model of Single Activity Accidents: Some New Results," <u>Journal of Legal Studies</u>, June 1981, 269-291.

"On the Political Sustainability of Taxes," with A. Schotter, American Economic Review Papers and Proceedings, May 1981, 278-282.

"On the Political Sustainability of Taxes," with A. Schotter, American Economic Review Papers and Proceedings, May 1981, 278-282.

"Information and the Law: Evaluating Legal Restrictions on Competitive Contracts," with A. Weiss, <u>American Economic Review Papers and Proceedings</u>, May 1981, 399-404.

"Redistributing Incomes: Ex Ante or Ex Post," <u>Economic Inquiry</u>, April 1981, 333-349.

"On the Nonexistence of Pareto Superior Outlay Schedules," with J. Panzar, The Bell Journal of Economics, Spring 1980, 351-354.

"The Role of Information in the Design of Public Policy Towards Externalities," with R.D. Willig, <u>Journal of Public Economics</u>, December 1979, 271-299.

"On the Concept of Optimal Taxation in the Overlapping-Generations Model of Efficient Growth," with E.S. Phelps, <u>Journal of Public Economics</u>, August 1979, 1-27.

"Products Liability in Markets With Heterogeneous Consumers," <u>Journal of Legal Studies</u>, June 1979, 505-525.

"Costly Litigation and the Tort Law: Single Activity Accidents," <u>Journal of Legal Studies</u>, June 1978, 243-261.

"On the Optimal Provision of Journals Qua Excludable Public Goods," with R.D. Willig, American Economic Review, June 1978, 324-338.

"Distortionary Wage Differentials in a Two-Sector Growth Model: Some Theorems on Factor Earnings," <u>International Economic Review</u>, June 1978, 321-333.

"On the Optimality of Public-Goods Pricing with Exclusion Devices," with W.J. Baumol, <u>Kyklos</u>, Fasc. 1, 1977, 5-21.

#### A. Journal Articles - (continued)

"Public Good Properties in Reality: The Case of Scientific Journals," with W.J. Baumol, <u>Proceedings of the ASIS Meetings</u>, San Francisco, October 1976.

"Merger Illusions and Externalities: A Note," with A. Schotter, <u>Bastern</u> <u>Economic Review</u>, November 1976, 19-21.

"Distributive Justice and Optimal Taxation of Wages and Interest in a Growing Economy, <u>Journal of Public Economics</u>, January 1976, 139~160.

"Linear Taxation of Wealth and Wages for Intragenerational Lifetime Justice: Some Steady-State Cases," with E.S. Phelps, <u>American Economic Review</u>, September 1975, 660-673.

#### B. Books

<u>Proceedings of the Tenth Annual Telecommunications Policy Research</u>
<u>Conference</u>, editor with O. Gandy and P. Espinosa, ABLEX Publishers, 1983.

Welfare Economics: Readings, editor with W.J. Baumol, Edward Elgar Publishing Ltd., (forthcoming).

### C. Book Chapters

"Competition and Trade Law: The Promise of Convergence and the Limits of Appropriate State Action," with E. Fox, forthcoming.

"Transition to a Market Economy: Some Industrial Organization Issues," with M. Iwanek, Chap 7. in H. Kierzkowski, et al. (eds), <u>Stabilization and Structural Adjustment in Poland</u>, Routledge, 1993, 153-170.

"Competition Policies for Natural Monopolies in a Developing Market Economy," with Russell Pittman, <u>Butterworths Trade and Finance in Central and Eastern Europe</u>, Butterworth Law Publishers Ltd., 1993, 78-88; reprinted in <u>Journal for Shareholders</u> (published by the Russian Union of Shareholder), Moscow, January 1993, 33-36; <u>Versenyfelugyeleti Ertesito</u> (Bulletin of Competition Supervision), Budapest, vol. 3, no. 1-2, January 1993, 30-41; <u>Narodni Hospodarstvi</u> (National Economy), Prague, forthcoming; and <u>USA: Politics, Economics, Ideology</u>, forthcoming, reprinted in <u>ICE: Revista de Economia</u>, No. 736 (December 1994) (in Spanish), 69-90.

"Antitrust: Source of Dynamic and Static Inefficiencies?" with W.J. Baumol, in T. Jorde and D. Teece (eds.), <u>Antitrust, Innovation</u>, and <u>Competitiveness</u>, Oxford University Press, 1992, 82-97.

"Economic Poundations of Competition Policy: A Review of Recent Contributions," in W. Comanor, et al., <u>Competition Policy in Europe and North America: Economic Issues and Institutions</u>, Fundamentals of Pure and Applied Economics (Vol. 43), Harwood Academic Publishers, 1990, 7-42.

#### C. Book Chapters - (continued)

"The Department of Justice 1988 Guidelines for International Operations: An Economic Assessment," with A.O. Sykes, in B. Hawk (ed.), <u>European/American Antitrust and Trade Laws</u>, Matthew Bender, 1989, 4.1-4.18.

"Predation, Monopolization, and Antitrust," with G. Saloner, in R. Schmalensee and R.D. Willig (eds.), <u>Handbook of Industrial Organization</u>, vol. 1, North Holland, 1989, 538-596.

"Supervision Technology, Firm Structure, and Employees' Welfare," in Prices. Competition and Equilibrium, M. Peston and R.E. Quandt (eds.), Philip Allan Publishers, Ltd., 1986, 142-163.

"Perspectives on Mergers and World Competition," with R.D. Willig, in <u>Antitrust and Regulation</u>, R. Grieson (ed.), Lexington Books, 1986, 201-218.

"Transnational Antitrust and Economics," in <u>Antitrust and Trade Policies</u> in <u>International Trade</u>, B. Hawk (ed.), Matthew Bender, 1985, 233-248.

"Pricing of Interexchange Access: Some Thoughts on the Third Report and Order in FCC Docket No. 78-72," in <u>Proceedings of the Eleventh Annual Telecommunications Policy Research Conference</u>, Vincent Mosco (ed.), ABLEX Publishers, 1984, 145-161.

"Non-Price Anticompetitive Behavior by Dominant Firms Toward the Producers of Complementary Products," with A.O. Sykes and R.D. Willig, in Antitrust and Regulation: Essays in Memory of John McGowan, F. Fisher (ed.), MIT Press, 1985, 315-330.

"Local Telephone Pricing in a Competitive Environment," with R.D. Willig, in <u>Regulating New Telecommunication Networks</u>, E. Noam (ed.), Harcourt Brace Jovanovich, 1983, 267-289.

"An Economic Definition of Predatory Product Innovation," with R.D. Willig, in <u>Strategy</u>, <u>Predation and Antitrust Analysis</u>, S. Salop (ed.), <u>Federal Trade Commission</u>, 1981, 301-396.

"Marginal Cost," in <u>Encyclopedia of Economics</u>, D. Greenwald (ed.), McGraw-Hill, 1981, 627-630.

"Understanding Economic Justice: Some Recent Development in Pure and Applied Welfare Economics," in <u>Economic Perspectives</u>, M. Ballabon (ed.) Harwood Academic Publishers, Vol. 1, 1979, 51-72.

#### C. Book Chapters - (continued)

"Problems of Political Equilibrium in the Soviet Proposals for a European Security Conference," in Columbia Essays in International Affairs, Andrew W. Cordier (ed.) Columbia University Press, New York, 1971, 1951-1974.

#### OTHER PUBLICATIONS:

"Economists' View: the Department of Justice and FTC Guidelines for the Licensing of Intellectual Property," <u>Antitrust</u>, vol. 9, [...], 1995 (forthcoming).

"Competitive Policy During Transformation to a Centrally Planned Economy: A Comment," with R.W. Pittman, in B. Hawk (ed.), 1992 Fordham Corporate Law Institute, 533-38.

"Poland: The First 1,000 Days and Beyond," <u>Economic Times</u>, vol. 3, no. 9, October 1992, 6-7.

"Interview: Januar A. Ordover," <u>Antitrust</u> (A Merger of Standards? The 1992 Merger Guidelines), vol. 6, no. 3, Summer 1992, 12-16.

"Voluntary Export Restraints and Trade Cartels: Implications for Trade and Competition Policy," with L. Goldberg, Report WD 90/1, Committee on Competition Law and Policy, OECD, Paris, July 1992.

"Interview: U.S. Justice Department's New Chief Economist: Janusz A. Ordover," International Merger Law, No. 14, October 1991.

"Poland: Economy in Transition," <u>Business Economics</u>, vol. 26, no. 1, January 1991, 25-30.

"Economic Analysis of Section 337: Protectionism versus Protection of Intellectual Property," with R.D. Willig, in <u>Technology</u>, <u>Trade and World Competition</u>, JEIDA Conference Proceedings, Washington, D.C., 1990, 199-232.

"Eastern Europe Needs Antitrust Now," with E. Fox, New York Law Journal, November 23, 1990, 1-4.

"Understanding Econometric Methods of Market Definition," with D. Wall, Antitrust, Vol. 3, No. 3, Summer 1989, 20-25.

"Proving Entry Barriers: A Practical Guide to Economics of Entry," with D. Wall, <u>Antitrust</u>, Vol. 2, No. 2, Winter 1988, 12-17.

"Proving Predation After Monfort and Matsushita: What the New 'New Learning' has to Offer," with D. Wall, <u>Antitrust</u>, Vol. 1, No. 3, Summer 1987, 5-11.

### OTHER PUBLICATIONS: (continued)

"The Costs of the Tort System," with A. Schotter, Economic Policy Paper No. PP-42, New York University, March 1986. Reprinted in <u>Congressional Record</u>, U.S. Government Printing House, Washington, D.C., 1987.

"An Economic Definition of Predation: Pricing and Product Innovation," with R.D. Willig, Report for the Federal Trade Commission, October 1982, pp. 131.

"Market Power and Market Definition," with R.D. Willig, Memorandum for ABA Section 7 Clayton Act Committee, Project on Revising the Merger Guidelines, May 1981.

"Herfindahl Concentration Index," with R.D.Willig, Memorandum for ABA Section 7 Clayton Act Committee, Project on Revising the Merger Guidelines, March 1981.

"Public Interest Pricing of Scientific and Technical Information," Report for the Department of Commerce Technical Advisory Board, September 1979.

"Economics of Property Rights as Applied to Computer Software and Databases," with Y.M. Braunstein, D.M. Fischer, W.J. Baumol, prepared for the National Commission on New Technological Uses of Copyrighted Works, June 1977, pp. 140. Reprinted in part in <u>Technology and Copyright</u>, R.H. Dreyfuss (ed.), Lemond Publications, 1978.

Book Review of O. Morgenstern and G.L. Thompson, <u>Economic Theory of</u> <u>Expanding and Contracting Economies</u>, <u>Southern Economic Journal</u>, <u>September 1978</u>.

"Manual of Pricing and Cost Determination for Organizations Engaged in Dissemination of Knowledge," with W.J. Baumol, Y.M. Braunstein, D.M. Fischer, prepared for the Division of Science Information, NSF April 1977, p. 150.

#### UNPUBLISHED PAPERS:

"Economics, Antitrust and the Motion Picture Industry," C.V. Starr Center Policy Paper, July 1983.

"On Bargaining, Settling, and Litigating: A Problem in Multiperiod Games With Imperfect Information," with A. Rubinstein, C.V. Starr Working Paper, December 1982.

"Supervision and Social Welfare: An Expository Example," C.V. Starr Center Working Paper, January 1982.

"Should We Take Rights Seriously: Economic Analysis of the Family Education Rights Act," with M. Manove, November 1977.

"An Echo or a Choice: Product Variety Under Monopolistic Competition," with A. Weiss; presented at the Bell Laboratories Conference on Market Structures, February 1977.

#### GRANTS RECEIVED:

Regulation and Policy Analysis Program, National Science Foundation, Collaborative Research on Antitrust Policy, Principal Investigator, July 15, 1985 - December 31, 1986.

Regulation of Economic Activity Program, National Science Foundation, Microeconomic Analysis of Antitrust Policy, Principal Investigator, April 1, 1983 - March 31, 1984.

Bosonomics Division of the National Science Foundation, "Political Economy of Taxation," Principal Investigator, Summer 1982.

Sloan Workshop in Applied Microeconomics (coordinator), with W.J. Baumol (Principal Coordinator), September 1977 - August 1982.

Economics Division of the National Science Foundation, "Collaborative Research on the Theory of Optimal Taxation and Tax Reform," July 1979 to September 1980, (with E.S. Phelps).

Division of Science Information of the National Science Foundation for Research on "Scale Economies and Public Goods Properties of Information," W.J. Baumol, Y.M. Braunstein, M.I. Nadiri, Fall 1974 to Fall 1977.

N.S.F. Institutional Grant to New York University for Research on Taxation and <u>Distribution of Income</u>, Summer 1974.

# **Curriculum Vitae**

Name:

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Birth:

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Marital Status:

Married, four children

Education:

Ph.D. Economics, Stanford University, 1973

Dissertation: Welfare Analysis of Policies
Affecting Prices and Products.

Advisor: James Rosse

M.S. Operations Research, Stanford University, 1968.

A.B. Mathematics, Harvard University, 1967.

# Professional Positions:

Deputy Assistant Attorney General, U.S. Department of Justice, 1989-1991

Professor of Economics and Public Affairs, Princeton University, 1978-

Supervisor, Economics Research Department, Bell Laboratories, 1977-1978.

Visiting Lecturer (with rank of Associate Professor), Department of Economics and Woodrow Wilson School, Princeton University, 1977-78 (part time).

Economics Research Department, Bell Laboratories, 1973-77.

Lecturer, Economics Department, Stanford University, 1971-73.

# Other Professional Activities:

Member, National Research Council Highway Cost Allocation Study Review Committee, 1995.

Member, Defense Science Board Task Force on the Antitrust Aspects of Defense Industry Consolidation, 1993-94.

Editorial Board, Utilities Policy, 1990-

Leif Johanson Lecturer, University of Oslo, November 1988.

Member, New Jersey Governor's Task Force on Market-Based Pricing of Electricity, 1987-89.

Co-editor, Handbook of Industrial Organization, 1984-89.

Associate Editor, <u>Journal of Industrial Economics</u>, 1984-89.

Director, Consultants in Industry Economics, Inc., 1983-89, 1991-94.

Fellow, Econometric Society, 1981-

Consulting: Bell Laboratories, 1978-79; AT&T, 1978-89, 1991-; Conrail 1978-87, 1991-; Federal Trade Commission, 1979-82, 1994-; Pennsylvania Bell, 1980; Simpson Thatcher Bartlett, 1980, 1993-; American Association of Railroads, 1981, 1985; Math-tech, 1981; Union Pacific Railroad, 1981, 1995; Family Lines Rail System, 1982; Pepper, Hamilton, and Scheetz, 1981-87, 1991-94; Siemens Corp., 1982; Board of Governors of U. S. Postal Service, 1981; OECD, 1983-85, 1991-; Sidley & Austin, 1983-89, 1991-; U.S. Postal Service, 1983-84; Echlin Inc., 1982-83; United Airlines, 1983, 1991-; Consultants in Industry Economics, 1983-89, 1991-; Wiley, Malehorn & Sirota, 1983-89; City of Newark, 1984; Arnold & Porter, 1986-89, 1991-; Howrey & Simon, 1985-88, 1993-4; Kodak, 1987-89; Crowell & Moring, 1988; Viacom 1989, 1991-94; Bell Atlantic, 1991-94; Intel, 1991-93; AOPL, 1993; IBM, 1993-; Merck, 1993-1995; Harkins Cunningham, 1993-; Boeing, 1993-; Niagra Mohawk, 1994; PSE&G, 1994-; Microsoft, 1994; Coca-Cola Co., 1994-; World Bank 1994-

Organizing Committee, Carnegie-Mellon-N.S.F. Conference on Regulation, 1985

Board of Editors, American Economic Review. 1980-83.

Nominating Committee, American Economic Association, 1980-1981.

Research Advisory Committee, American Enterprise Institute, 1980-1986.

Editorial Board, M.I.T. Press Series on Government Regulation of Economic Activity, 1979-93.

Program Committee, 1980 World Congress of the Econometric Society.

Program Committee, Econometric Society, 1979, 1981, 1985.

Organizer, American Economic Association Meetings: Sustainability Analysis, 1980; Telecommunications Deregulation, 1982.

American Bar Association Section 7 Clayton Act Committee, 1981.

Principal Investigator, NSF grant SOC79-0327, 1979-80; NSF grant 285-6041, 1980-82; NSF grant SES-8038866, 1983-84, 1985-86.

Aspen Task Force on the Future of the Postal Service, 1978-80.

Organizing Committee of Sixth Annual Telecommunications Policy Research Conference, 1977-78.

Visiting Fellow, University of Warwick, July 1977.

Institute for Mathematical Studies in the Social Sciences, Stanford University, 1975.

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